CONTENTS OF VOLUME 50

THE ELISHA MITCHELL SCIENTIFIC SOCIETY: ITS HISTORY AND ACHIEVEMENTS. *Archibald Henderson*..... 1

ADAPTATION: THE FOURTH PROPERTY OF PROTOPLASM. *Ivey F. Lewis*.... 14

PROCEEDINGS OF THE THIRTY-THIRD ANNUAL MEETING OF THE NORTH CAROLINA ACADEMY OF SCIENCE..... 21

PROCEEDINGS OF THE ELISHA MITCHELL SCIENTIFIC SOCIETY..... 56

GALLS AND "GALLS." *B. W. Wells*..... 65

CONTRIBUTION TO KNOWLEDGE OF NORTH AMERICAN FRESHWATER HARPACTICOID COPEPOD CRUSTACEA. *Robert E. Coker*..... 75

REACTION OF SOME FRESHWATER COPEPODS TO HIGH TEMPERATURES. *R. E. Coker*..... 143

MATHEMATICA PRAETERMISSA. *Archibald Henderson* and *John W. Lasley, Jr.* 160

A STUDY OF THE ACTION OF SODIUM SULFIDE ON POLYMETHYLENE HALIDES AND THE FORMATION OF "POLYTHIOPHANES." *R. W. Bost* and *M. W. Conn*..... 182

NEW NORTH AMERICAN SPECIES OF MAYFLIES (EPHEMERIDA). *Jay R. Traver*..... 189

TECHNIQUE IN THE PREPARATION OF COLEOPTERA. *J. M. Valentine*..... 255

RHYTHM, SYNCHRONISM, AND ALTERNATION IN THE STRIDULATION OF ORTHOPTERA. *B. B. Fulton*..... 263

ANATOMY OF THE TRANSITION REGION OF HELIANTHUS ANNUUS. *Albert F. Thiel*..... 268

THE DEVELOPMENT OF THE FRUITING BODY OF ARACHNION ALBUM. *Caroline A. Lander*..... 275

A TAXONOMIC AND MORPHOLOGICAL STUDY OF THE GENUS CUSCUTA, DODDERS, IN NORTH CAROLINA. *Budd Elmon Smith*..... 283

PUBLICATIONS IN THE FIELD OF SCIENCE FROM THE UNIVERSITY OF NORTH CAROLINA (1795–1934). *Alma Holland*..... 303